

Dog and Cat Food Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
311111, Dog and cat food manufacturing .. 2002..	175	242	14 453	635 016	11 019	23 419	436 732	5 924 702	4 786 688	10 662 237	'243 071
2001..	N	N	14 146	568 042	10 683	22 698	381 971	5 153 879	4 575 993	9 734 935	287 022
2000..	N	N	14 766	583 793	11 512	25 134	390 032	4 283 007	4 471 446	8 751 420	337 444
1999..	N	N	14 219	557 523	11 013	23 982	380 321	4 249 708	4 324 871	8 559 564	246 382
1998..	N	N	14 088	528 068	10 824	23 958	370 073	4 396 812	4 548 587	8 967 129	211 127
1997..	129	187	13 979	502 207	10 587	23 431	345 400	4 307 078	4 402 139	8 688 239	261 079

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311111, Dog and cat food manufacturing												
United States	—	242	116	14 453	635 016	11 019	23 419	436 732	5 924 702	4 786 688	10 662 237	'243 071
California	3	31	10	1 189	68 489	785	1 638	45 606	541 242	406 412	983 983	'26 281
Georgia	—	7	4	460	21 095	350	566	14 304	245 412	236 513	466 270	'9 259
Illinois	—	13	2	310	15 884	230	536	10 516	152 412	59 868	212 183	'6 235
Indiana	—	7	4	512	19 553	402	819	12 579	276 517	147 064	423 130	'4 723
Kansas	—	12	9	1 082	44 350	906	1 748	34 557	267 151	271 536	538 188	'17 181
Missouri	1	15	12	1 262	52 571	945	2 117	33 567	273 457	408 890	683 379	'12 247
Nebraska	—	7	4	658	24 425	518	1 092	17 260	152 709	206 055	359 747	'6 434
New York	—	7	5	642	28 100	500	1 050	19 548	399 405	253 111	648 529	'15 543
Ohio	—	10	8	1 347	71 785	1 113	2 533	57 012	498 405	344 857	841 069	'28 643
Pennsylvania	—	12	8	1 434	56 228	1 096	2 235	36 659	406 812	437 522	827 061	'15 865
Texas	1	12	6	501	15 956	410	827	11 302	112 285	117 628	227 093	'3 976
Virginia	—	5	2	163	5 553	142	304	4 261	23 159	37 435	60 511	'1 503

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311111, Dog and cat food manufacturing	
Companies ¹	number.. 175
All establishments ²	number.. 242
Establishments with 1 to 19 employees	number.. 126
Establishments with 20 to 99 employees	number.. 66
Establishments with 100 employees or more	number.. 50
All employees ³	number.. 14 453
Total compensation	\$1,000.. 842 246
Annual payroll	\$1,000.. 635 016
Total fringe benefits	\$1,000.. 207 230
Production workers, average for year	number.. 11 019
Production workers on March 12	number.. 11 009
Production workers on May 12	number.. 11 048
Production workers on August 12	number.. 10 987
Production workers on November 12	number.. 10 995
Production worker hours	1,000.. 23 419
Production worker wages	\$1,000.. 436 732
Total cost of materials	\$1,000.. 4 786 688
Materials, parts, containers, packaging, etc., used	\$1,000.. 3 754 871
Resales	\$1,000.. 866 226
Purchased fuels	\$1,000.. 68 344
Purchased electricity	\$1,000.. 66 630
Contract work	\$1,000.. 30 617
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 298 257
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 10 662 237
Primary products value of shipments	\$1,000.. 9 668 875
Secondary products value of shipments	\$1,000.. 30 808
Total miscellaneous receipts	\$1,000.. 962 554
Value of resales	\$1,000.. 930 716
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 100
Value of primary products shipments made in all industries	\$1,000.. 9 774 467
Value of primary products shipments made in this industry	\$1,000.. 9 668 875
Value of primary products shipments made in other industries	\$1,000.. 105 592
Coverage ratio	percent.. 99
Value added	\$1,000.. 5 924 702
Total inventories, beginning of year	\$1,000.. 390 079
Finished goods inventories	\$1,000.. 186 035
Work-in-process inventories	\$1,000.. 11 965
Materials and supplies inventories	\$1,000.. 192 079
Total inventories, end of year	\$1,000.. 459 731
Finished goods inventories	\$1,000.. 235 796
Work-in-process inventories	\$1,000.. 11 357
Materials and supplies inventories	\$1,000.. 212 578
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 352 016
Total capital expenditures (new and used)	\$1,000.. '243 071
Buildings and other structures (new and used)	\$1,000.. '55 723
Machinery and equipment (new and used)	\$1,000.. '187 348
Automobiles, trucks, etc., for highway use	\$1,000.. '4 112
Computers and peripheral data processing equipment	\$1,000.. '8 185
All other expenditures for machinery and equipment	\$1,000.. '175 051
Total retirements	\$1,000.. '222 690
Gross value of depreciable assets at end of year	\$1,000.. '3 372 397
Depreciation charges during year	\$1,000.. '222 989
Total rental payments	\$1,000.. 53 848
Buildings and other structures	\$1,000.. 28 699
Machinery and equipment	\$1,000.. 25 149
Total other expenses ⁴	\$1,000.. 351 264
Response coverage ratio ⁵	percent.. 84
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 54 927
Communications services ⁴	\$1,000.. 4 622
Legal services ⁴	\$1,000.. 1 353
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 233
Advertising and promotional services ⁴	\$1,000.. 27 643
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 3 086
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 13 158
Management consulting and administrative services ⁴	\$1,000.. 35 648
Taxes and license fees ⁴	\$1,000.. 15 744
All other expenses ⁴	\$1,000.. 193 849

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311111, Dog and cat food manufacturing											
All establishments	—	242	14 453	635 016	11 019	23 419	436 732	5 924 702	4 786 688	10 662 237	'243 071
Establishments with—											
1 to 4 employees	9	82	c	D	D	D	D	D	D	D	D
5 to 9 employees	7	21	148	5 980	113	224	3 808	37 656	32 896	70 839	'1 109
10 to 19 employees	6	23	316	11 741	230	468	7 440	48 491	47 069	95 703	'1 735
20 to 49 employees	1	39	1 350	51 840	944	2 015	29 750	313 783	437 855	739 982	'12 415
50 to 99 employees	1	27	1 970	69 869	1 471	3 100	42 718	453 490	403 837	854 918	'26 361
100 to 249 employees	—	37	5 960	257 158	4 517	9 575	174 052	2 941 401	2 156 495	5 071 818	'105 965
250 to 499 employees	1	12	3 930	191 496	3 069	6 524	138 604	1 770 910	1 578 763	3 340 231	'80 363
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	91	254	9 772	191	382	6 316	60 522	45 732	106 256	'1 884

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311111	Dog and cat food manufacturing	242	14 453	635 016	11 019	23 419	436 732	5 924 702	4 786 688	10 662 237	'243 071
3111111	Dog food	103	11 325	494 044	8 670	18 376	338 359	4 647 122	3 881 354	8 489 038	'201 858
3111114	Cat food	15	2 297	109 076	1 763	3 877	78 873	1 123 974	792 499	1 906 947	'36 658

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311111	Dog and cat food manufacturing	2002.. N	X	X	9 774 467
	..... 1997.. N	N	X	X	8 183 172
3111111	Dog food	2002.. N	X	X	5 960 362
	..... 1997.. N	N	X	X	5 213 728
31111111	Canned dog food	2002.. N	X	X	1 344 280
	..... 1997.. N	N	X	X	1 155 943
311111111	Canned dog food, ration-type	2002.. 13	X	P279.8	106 089
	..... mil lb. 1997.. 11	N	X	217.3	77 672
3111111121	Canned dog food, other types	2002.. 17	X	S	1 238 191
	..... mil lb. 1997.. 11	N	X	2 175.7	1 078 271
31111112	Dry and semi moist dog food, shipped in packages less than 25 lb	2002.. N	X	X	2 001 250
	..... 1997.. N	N	X	X	1 795 231
3111111231	Dry and semi moist dog food, shipped in packages less than 25 lb	2002.. 42	X	4 940.7	2 001 250
	..... mil lb. 1997.. 43	N	X	4 701.6	1 795 231
31111113	Dry and semi moist dog food, shipped in packages 25 lb or more	2002.. N	X	X	2 598 115
	..... 1997.. N	N	X	X	2 200 345
3111111341	Dry and semi moist dog food, shipped in packages 25 lb or more	2002.. 52	X	P7 900.9	2 598 115
	..... mil lb. 1997.. 63	N	X	6 194.5	2 200 345
3111111Y	Dog food, nsk	2002.. N	X	X	16 717
	..... 1997.. N	N	X	X	62 209
3111111YWV	Dog food, nsk	2002.. N	X	X	16 717
	..... 1997.. N	N	X	X	62 209
3111114	Cat food	2002.. N	X	X	3 570 388
	..... 1997.. N	N	X	X	2 754 568
31111141	Canned cat food, fish-base	2002.. N	X	X	923 507
	..... 1997.. N	N	X	X	580 191
311111411	Canned cat food, fish-base	2002.. 9	X	1 382.3	923 507
	..... mil lb. 1997.. 7	N	X	1 024.9	580 191
31111142	Canned cat food, meat-base or other	2002.. N	X	X	1 068 125
	..... 1997.. N	N	X	X	776 883
3111114221	Canned cat food, meat-base	2002.. 11	X	P1 170.8	636 152
	..... mil lb. 1997.. 11	N	X	P971.6	432 361
3111114231	Canned cat food, other (ration meat-base)	2002.. 9	X	P792.5	431 973
	..... mil lb. 1997.. 5	N	X	720.8	344 522
31111143	Cat food, dry or semi moist	2002.. N	X	X	1 547 900
	..... 1997.. N	N	X	X	1 352 833
3111114341	Cat food, dry	2002.. 36	X	3 019.2	D
	..... mil lb. 1997.. 35	N	X	D	D
3111114351	Cat food, semi moist	2002.. 4	X	D	D
	..... mil lb. 1997.. 6	N	X	D	D
3111114Y	Cat food, nsk	2002.. N	X	X	30 856
	..... 1997.. N	N	X	X	44 661
3111114YWV	Cat food, nsk	2002.. N	X	X	30 856
	..... 1997.. N	N	X	X	44 661
311111W	Dog and cat food manufacturing, nsk, total	2002.. N	X	X	243 717
	..... 1997.. N	N	X	X	214 876
311111WY	Dog and cat food manufacturing, nsk, total	2002.. N	X	X	243 717
	..... 1997.. N	N	X	X	214 876
311111WYWW	Dog and cat food manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	141 488
	..... 1997.. N	N	X	X	95 001
311111WYWY	Dog and cat food, nsk manufacturing, for administrative-record establishments	2002.. N	X	X	102 229
	..... 1997.. N	N	X	X	119 875

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3111111	Dog food	
	United States	2002 .. 5 960 362
		1997 .. 5 213 728
	California	2002 .. 408 139
		1997 .. 449 265
	Indiana	2002 .. 318 242
		1997 .. 210 959
	Kansas	2002 .. 376 818
		1997 .. 335 356
	Missouri	2002 .. 297 515
		1997 .. 268 087
	New York	2002 .. 417 685
		1997 .. 388 786
	Ohio	2002 .. 704 055
3111114		1997 .. 535 278
	Pennsylvania	2002 .. 405 071
		1997 .. 268 655
	Texas	2002 .. 120 470
		1997 .. 147 844
	Cat food	
	United States	2002 .. 3 570 388
		1997 .. 2 754 568
	California	2002 .. 518 544
		1997 .. 367 943
	Kansas	2002 .. 119 641
		1997 .. 59 764
	Missouri	2002 .. 366 614
		1997 .. 253 694
	Ohio	2002 .. 122 963
		1997 .. 206 538

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311111	Dog and cat food manufacturing		
00900001	Total materials .....2002..	X	3 754 871
	.....1997..	X	3 690 959
11114001	Wheat .....1,000 s tons..2002..	P345.7	39 098
	.....1997..	260.8	37 755
11115001	Field corn, whole grain mil lb..2002..	5 142.0	252 873
	.....1997..	5 485.9	337 791
11119901	Oats .....1,000 s tons..2002..	17.3	3 284
	.....1997..	13.8	2 630
11119903	Barley.....1,000 s tons..2002..	83.9	10 605
	.....1997..	11.1	3 064
11119905	Sorghum .....1,000 s tons..2002..	D	D
	.....1997..	D	D
31121101	Wheat flour .....1,000 cwt..2002..	3 901.5	41 773
	.....1997..	S	60 013
31121115	Wheat millfeed and screenings .....1,000 s tons..2002..	399.2	31 760
	.....1997..	S	57 355
31122207	Soybean millfeed and screenings .....1,000 s tons..2002..	50.4	7 420
	.....1997..	51.6	10 125
31121135	Other millfeed and screenings .....1,000 s tons..2002..	D	D
	.....1997..	q29.9	5 711
31121137	Hominy feed and corn meal .....1,000 s tons..2002..	24.4	4 460
	.....1997..	21.1	5 343
31122109	Corn gluten feed and meal .....1,000 s tons..2002..	559.7	137 678
	.....1997..	489.1	136 512
31111900	Alfalfa meal (excluding alfalfa hay) .....1,000 s tons..2002..	1.6	298
	.....1997..	D	D
31131002	Sugar, cane and beet (sugar solids), excluding molasses .....1,000 s tons..2002..	15.2	8 376
	.....1997..	N	N
31131007	Molasses .....1,000 s tons..2002..	.9	190
	.....1997..	S	503
31122307	Cottonseed cake and meal .....1,000 s tons..2002..	D	D
	.....1997..	D	D
31100017	Fats and oils .....1,000 s tons..2002..	P516.1	160 328
	.....1997..	463.7	174 086
31161303	Meat meal and tankage .....1,000 s tons..2002..	q786.8	185 737
	.....1997..	P1 075.7	318 622
31161305	Poultry feather and byproducts meal .....1,000 s tons..2002..	P915.8	301 216
	.....1997..	469.5	205 682
31170000	Fish meal and solubles (dry weight equivalent) .....1,000 s tons..2002..	S	75 371
	.....1997..	225.4	100 931
31212000	Brewers' and distillers' grains .....1,000 s tons..2002..	359.1	56 260
	.....1997..	233.3	70 877
31122205	Soybean cake and meal .....1,000 s tons..2002..	528.6	89 711
	.....1997..	627.1	154 191
32518827	Calcium .....1,000 s tons..2002..	89.9	3 307
	.....1997..	P71.2	3 029
32518837	Phosphorus, elemental (technical) .....1,000 s tons..2002..	12.8	4 338
	.....1997..	S	17 882
31194205	Salt.....1,000 s tons..2002..	104.5	6 452
	.....1997..	S	2 767
32518841	Other minerals (excluding trace minerals).....1,000 s tons..2002..	66.6	18 562
	.....1997..	20.9	13 663
32541109	Vitamins.....2002..	X	75 470
	.....1997..	X	44 219
32541111	Drugs and antibiotics.....2002..	X	781
	.....1997..	X	D
32541105	Other microingredients (including trace minerals) .....2002..	X	66 149
	.....1997..	X	65 670
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	87 398
	.....1997..	X	82 972
001900A1	Packaging paper and plastics film, coated and laminated .....2002..	X	72 246
	.....1997..	X	93 051
31491101	Textile bags (burlap, cotton, polypropylene, etc.) .....2002..	X	307
	.....1997..	X	D
001900A3	Bags (plastics, foil, and coated paper) .....2002..	X	179 024
	.....1997..	X	138 999
32222401	Bags (uncoated paper and multiwall) .....2002..	X	202 744
	.....1997..	X	102 370
33243101	Metal cans, lids, and ends .....2002..	X	458 283
	.....1997..	X	377 377
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	647 082
	.....1997..	X	628 370
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	487 710
	.....1997..	X	434 739

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.